

Troponin I-C (phospho Ser43) Polyclonal Antibody

Catalog No: #13466

Package Size: #13466-1 50ul #13466-2 100ul

Description

Product Name	Troponin I-C (phospho Ser43) Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB,IHC-p,IF(paraffin section),ELISA
Species Reactivity	Human,Mouse,Rat
Specificity	Phospho-Troponin I-C (S43) Polyclonal Antibody detects endogenous levels of Troponin I-C protein only when phosphorylated at S43.
Immunogen Description	The antiserum was produced against synthesized peptide derived from human TNNI3 around the phosphorylation site of Ser43. AA range:11-60
Conjugates	Unconjugated
Other Names	TNNI3; TNNC1; Troponin I; cardiac muscle; Cardiac troponin I
Accession No.	Swiss Prot:P19429GeneID:7137
SDS-PAGE MW	26
Concentration	1 mg/ml
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	-20°C/1

Application Details

Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications.

Background

troponin I3, cardiac type(TNNI3) Homo sapiens Troponin I (TnI), along with troponin T (TnT) and troponin C (TnC), is one of 3 subunits that form the troponin complex of the thin filaments of striated muscle. TnI is the inhibitory subunit; blocking actin-myosin interactions and thereby mediating striated muscle relaxation. The TnI subfamily contains three genes: TnI-skeletal-fast-twitch, TnI-skeletal-slow-twitch, and TnI-cardiac. This gene encodes the TnI-cardiac protein and is exclusively expressed in cardiac muscle tissues. Mutations in this gene cause familial hypertrophic cardiomyopathy type 7 (CMH7) and familial restrictive cardiomyopathy (RCM). [provided by RefSeq, Jul 2008],

Note: This product is for in vitro research use only and is not intended for use in humans or animals.